Consistant //

## Approved For Release 2003/02/27 : CIA-RDP81B00879R001000080025-0

man humay - Corner Scientist Major Terreton Problem (123-20 Feeting 1 Telenary 1962

	State 2 State 2000 2 State 222		2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
25X1A	In past described as 2 January Indied at 33 learns fraint 3 relation endormore than to mediatellal relation than established relation at 20 hours Such 2 classes endormore believed the se test tip mal-fraction at	No change stupo 2 Jan. Ingermed cinco 13 Dec. 1961	25X1A  in additional confirmation of pusp durability on control and the strongly ingrement with accountry to food on bardway for the many compatible with 50 hour Sect 3 ended compatible, and to accolarate bough suchurance testing.
2. Optionalis System Flow Symposius	Scope of problem full to be marround from pump palanties presents posts to interaction of maters "on demant" regularization relative to pump controller response rate. Investigating this area, leasurer, presents pasts due to this interaction alone still insufficient to desse pips repture. By further pips repture during engine test reported above incorporation medicalism thistigs and general system "best-up."	alignity impressed but not conflicted.	Delicate reduction in pipe replace still not fully identified nor exclined by engine andurance.
3. Fishing - Connected State	inchare dange-over to uncomical fittings or protecting milefactority. One medianisal fitting last reported since 2 Assury.	Improved but not confirmed.	Symbolica on angles deliments required.

delivery maken.

Approved For Release 2003/02/27 : CIA-RDP81B00879R001000080025-0

Confliction States SCHOOL SAIDE & JANSAN & ASSA Singa 2 Inganay 1942 J. Salat COMMON COMMON PLACE & STREET TWO Turbine Profile 
Since 2 January a sol-back occurred starold an improved profile abtained by diffuser modification of proved improved profile abtained by diffuser modification of the second starold with repeatablility of ten angles been established with repeatablility of ten angles been established with temperature profile beginning of 2007. A resist profile tentement to the been described on the second starold staro A. Dake-Off Performance ingromeses not yet confirmed by maintages. Alth continued repentability union this labout interior configuration one level columns is targeted for lagrened but but l. Turbius Profilo mondimus. late Petruary with engine FI-112 and/or FI-114. Diago this interio fir may well cout performance, occurrent programs involving 72-113 and 111 will be res to emissio perference and langer range production flame. butter on antigration described in interest of the argines %-life life like indications point to the indiction of this problem to arose of low one-property inlet temperature with high power antilum. Although the testing is considering for the improve-ment of appropriate and nomine, so additional 3-30 engine aftertamine for resolution of the 52 augingine test evaluation of the 5 ring operator menite 3. If have named engine contracts so far precluded by the temperature profile problem. erformano metation deficient into boso re-Sagles Fi-11) (correctly sustant temperature profile problem) performence calibration required. A long range development problem immakeing rotor Although rig together contraction of solid vs. burny- to charge. ). Compressor Saturday and comb seeks in in presence, no real change in states as determined by suchine performance evaluation is evident. Change in bleed typess transition from Sach 2.6 down to 2.7 has extended the area of letter than design exhausted performance characterffictency istic of bloods com operation. This of course door Improved the stage compressor seal has allessand the recognity for threat balance six blood. Paridos couldn't admitte still required. Parties evaluation regulard on Fi-113. Interpreted & normale descript and Thetalas Cooling Mary Later A long range development problem involving retor generator. Probably not effective before the 40th No formulate change. A long lead time prolipsinary to change. redesign has been initiated to record the 25 deficiency.

5. Turbine Petables and difficultance;

	Approved For Release 2003/02/27 : CIA-RDP81B00879R001000080025-0		5-0 Attackment /2		
***			Status Shape Blace 2 James 1962	Sandidanee Tange Tanga di Angar di 160	Section Aince 2 January 1962
Č.		strolo - Fratt and Stacy			
	1.	Velve and Ploten Salaures	Al hours of integrated grates see level engine quantion incorporating sems bardened surfaces reveals no edditional seiscres. Insufficient production bardene delibertos have presided further engine test.	iveresqui zidejilî	initial probation components have been delivered and are now on beach calibration prior to engine test realization.
					•
	2.	Speed Schedule Incoministracy	The operance described show has demonstrated improvement.	Might lugacocal.	Full evaluation of this problem and problem 1 above depends on engine education environmental endurance using production components.
25X1		Schmant Normle Central Instability	All existing experimental and production units now incorporate the reducional valve fait to have been the area of this problem. 24 hours of integrated system engine test utilizing a different expenses confidentians has demonstrated repeatable stability.	laproved.	Additional demonstration of reportable stability on engine emburance with production components regulated.
	Å*	Casting Quality As Affording Fraduction Conjugate Conjugates	Production component deliveries continue to slip.	Thermonaerid .	installed response fortherestrates

Atradiesent 32 Faire 4

## Approved For Release 2003/02/27 : CIA-RDP81B00879R001000080025-0

	300 2 300 2 300 2 300	Sections Care	
9. Furnism Mades	ill orgines was incorporate new heavy suight testime black vibration dangers. To black failuses experienced with new dangers. A slaw but continuing affect undersuy to extend black life by indicating corrodom.	Improved	A long range program to improve blade life. Further endurance testing required.
2. Opportuner Notice	Initial testing with engines Falls and Mising representation belief retor has progressed materially. Seek densibility testing has not been initiated.	little dans	M-115 to run program to check durability under many conditions. M-11k to run results coding on with bolted retor. M-1 upon results to run orderance with strain smoot bolted rotor to suchaste strains larges.
J. Purdre later	Continued requiring inspection of light weight antroller textine discs seconded for marker? delivery engine has revealed inconditions in terms of yield and dustility for the five lat- stage discs reviewed. The times inspected out- of a tend of four ind stage discs show good properties.	in charge	Paliwary engines 1 through 6 receive the heavher receiling discs which show good properties as indicated on provious semany dated 2 January 1962.
4. Gergromer Alr Seel Disphrague	Tedestin incorporated in enginee 27-112, 114, 115.	io charge	Sagino ordenase replind.
5. Contion	Titudes rests parts on the has normalated like hours embarance at 1° curious missilipment. Test program is boing delayed by difficulty with airbane alternator.	improved	i' missilinement has been accepted by Lockhood ( imblement at a January meeting. Trouble with mirrowse alternator may or may not be indicative of reliability of mirrowse clastrical power source.
6. Commit Caption		No change	ingine medurance tacting which is sovely needed is expected to start in late Promany.
7. Engine Out- Heat Enjoyites		in cases	To be combinated as part of flight best program.